MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1934

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

DECEMBER 1934
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	66.1	64.4	64.5	65.0	19.5	14 0	17.4	19.1	16.7	17.7
2	5.5	4.2	4.7	4.8	19.5	14.1	17.8	20.7	16.0	18.2
3	4.2	2.2	2.8	3.1	19.6	14.1	17.6	18.7	18.3	18.2
4	2.7	1.9	1.7	2.1	20.2	15.0	18.3	19.1	16.6	18.0
5	59.8	56.8	58.6	58.4	18.5	14.4	14.4	18.2	15.4	16.0
6	60.9	61.2	62.8	61.6	16.9	12.7	14.4	16.0	15.4	15.3
7	3.4	2.0	1.7	2.4	17.9	12.7	15.5	16.9	15.9	16.1
8	1.1	1.5	3.3	2.0	15.8	11.8	13.5	14.9	13.9	14.1
9	4.0	2.4	2.7	3.0	16.7	10.7	14.1	15.5	16.1	15.2
10	2.8	2.2	2.9	2.6	18.1	11.1	15.1	17.0	15.4	15.8
11	62.7	62.5	64.8	63.3	18.4	14.2	16.3	17.7	16.2	16.7
12	6.8	6.1	6.1	6.3	16.7	11.7	14.9	16.1	15.0	15.3
13	6.1	5.1	5.7	5.6	17.5	12.3	16.4	14.9	14.3	15.2
14	6.4	4.9	4.3	5.2	16.8	13 8	16.6	16.4	15.0	16.0
15	2.8	1.1	0.4	1.4	17.6	12 6	14.8	16.8	15.4	15.7
16	59.5	58.9	59.9	59.4	18.1	12.9	14.8	17.6	15.9	16.1
17	60.8	60.1	60.4	60.4	18.3	13.1	16.1	18.2	15.4	16.6
18	0.2	58.8	58.8	59.3	21.5	13.7	17.5	19.4	18.3	18.4
19	58.3	5.8	5.6	6.6	20.1	16.4	18.2	19.4	17.6	18.4
20	4.8	3.7	4.4	4.3	17.7	13.5	15.9	14.4	15.1	15.1
21	56.6	56.9	59.2	57.6	18.3	13.0	14.8	15.5	14.9	15.1
22	9.1	7.9	8.0	8.3	17.3	14.1	16.7	16.1	15.6	16.1
23	8.4	8.2	9.2	8.6	15.8	11.1	12.7	13.0	14.7	13.5
24	61.2	60.1	62.3	61.2	16.9	11.7	13.8	16.6	14.3	14.9
25	3.7	3.0	3.6	3.4	17.6	12.4	14.3	17.5	15.6	15.8
26	64.1	61.7	59.8	61.9	18.0	13.2	15.5	17.1	15.9	16.2
27	57.1	55.5	56.7	56.5	18.2	14.8	16.1	17.0	12.8	15.3
28	7.6	8.3	9.2	8.4	14.8	10.5	13.8	13.9	13.1	13.6
29	8.9	8.4	8.6	8.6	15.4	11.2	13.8	11.4	12.2	12.5
30	9.2	60.1	63.1	60.8	15.4	10.8	13.3	14.9	15.4	14.5
31	65.7	5.4	5.3	5.5	15.6	12.2	14.4	15.4	14.3	14.7
	761.62	760.68	761.32	761.21	17.38	12.90	15.44	16.56	15.38	15.81

Barometer, range for month 753.7 mm. –766.8 mm.
„ 50-yr. average for month 763.285 mm.
Thermometer, Range for month 10°.7–21.°5 C.
„ 50-yr. average for month 15.°90 C.
Rain, total for month 303.00 mm.
„ , 50-yr average for month 190.75 mm.
„ , total, Sept. 1st to end of month 336.25 mm.
„ , 50-yr. average, Sept. 1st to end of month 385.83 mm.

DECEMBER 1934
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	13.2	15.1	14.5	9.0	10.4	10.9	10.1	61	63	78	67	6.5	
2	14.9	17.8	13.9	10.8	13.2	10.6	11.5	71	73	79	74	8.3	
3	13.4	14.6	14.3	8.7	9.9	9.8	9.5	61	63	62	62	9.0	
4	13.1	15.0	13.7	8.4	10.2	10.0	9.5	53	63	71	62	8.0	
5	13.3	13.6	14.7	10.7	9.0	12.0	10.6	87	58	92	79	0.0	11.43
6	13.3	13.4	12.8	10.7	9.9	9.4	10.0	87	74	71	77	6.3	10.41
7	12.8	14.2	14.6	9.4	10.3	11.4	10.4	71	72	85	76	1.1	
8	12.6	11.8	10.4	10.3	8.5	7.6	8.8	89	67	64	73	4.1	11.18
9	10.4	12.4	14.0	7.9	9.0	10.6	9.1	63	68	78	70	1.7	
10	13.1	13.8	12.9	9.9	9.8	9.6	9.8	78	69	73	73	0.8	2.97
11	13.9	14.2	13.3	10.4	9.9	9.7	10.0	76	66	71	71	4.3	
12	12.2	12.3	11.9	9.0	8.5	8.7	8.7	71	63	69	68	1.3	
13	12.3	12.9	13.8	8.3	9.9	11.4	9.9	61	78	95	78	0.0	7.49
14	14.6	13.6	12.6	11.1	9.9	9.4	10.1	79	72	74	75	1.2	0.51
15	11.5	13.5	12.7	8.3	9.6	9.4	9.1	66	68	72	69	0.5	
16	11.0	14.6	13.4	7.8	10.5	10.0	9.4	63	69	75	69	0.7	
17	13.2	14.9	13.1	9.6	10.7	9.8	10.0	71	69	76	72	4.0	
18	12.5	14.9	13.9	8.2	10.0	9.4	9.2	55	60	59	58	5.0	
19	13.7	13.7	15.4	9.2	8.5	11.6	9.8	59	49	77	62	0.0	0.51
20	12.6	13.8	11.4	9.0	11.3	8.0	9.4	67	94	63	75	0.0	13.46
21	13.7	14.6	14.3	10.9	11.7	11.7	11.4	87	90	94	90	0.0	56.64
22	13.3	13.4	14.3	9.4	9.8	11.3	10.2	67	73	86	75	3.1	7.36
23	11.6	12.4	11.6	9.4	10.4	8.5	9.4	87	94	69	83	0.7	98.55
24	12.7	14.2	12.6	10.3	10.6	9.9	10.3	87	75	81	81	0.9	6.47
25	12.6	14.8	12.1	9.9	10.8	8.6	9.8	81	72	65	73	1.7	1.27
26	12.3	13.8	12.1	8.9	9.8	8.4	9.0	67	68	62	66	8.0	
27	11.8	12.5	12.1	8.0	8.4	10.1	8.8	59	58	92	70	3.1	6.10
28	12.6	12.8	11.4	10.1	10.4	9.1	9.9	86	88	81	85	2.3	29.97
29	11.5	10.6	9.9	8.8	9.1	7.9	8.6	75	94	74	81	0.3	28.45
30	11.1	12.2	14.3	8.6	9.0	11.4	9.7	75	71	87	78	1.3	7.62
31	13.3	13.4	12.7	10.6	10.2	9.9	10.2	86	79	82	82	0.0	2.79
	12.71	13.70	13.54	9.40	9.97	9.87	9.71	72.4	71.9	76.0	73.3	2.71	9.77

eight of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
ry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
im of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
ime of readings minus 2 hours equals G. C. T.
)-year averages are for period, 1875-1924

DECEMBER 1934

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	4st	2st	1cu	2.3	0	1nw	0	127.1	slight	
2	1cu	1cu	1cu	1.0	0	0	0	96.6	„	
3	0	1st	1cu	0.7	0	2n	2n	197.9	mod.	Thin mist in a.m
4	0	1cu	2cu	1.0	1w	1w	1w	273.6	„	„ „ „
5	10ni	10cu	10ni	10.0	1sw	4sw	3sw	354.0	slight	sn. visible on mts.
6	2cu	1cu	1cu	1.3	1w	1nw	1nw	281.6	mod.	
7	8st	10ni	10ni	9.3	0	1nw	1nw	193.1	„	tr. of rain p.m.
8	9ni	1cu	1cu	3.7	0	4n	1n	349.3	„	light' in eve. in nw
9	1cu	10cu	10ni	7.0	0	0	0	111.0	slight	
10	10cu	9cu	6ni	8.3	0	1w	0	217.2	„	
11	8stcu	2cu	3cu	4.3	0	2nw	0	209.2	mod.	
12	0	8ci	9ci	5.7	0	0	0	59.5	„	
13	10stcu	10ni	10ni	10.0	0	1w	1sw	294.5	light	
14	7cu	1cu	4cu	4.0	2sw	1sw	1sw	326.7	mod.	
15	10st	10stcu	8stcu	9.3	0	1w	1w	289.7	„	solar halo in a.m.
16	8stcu	8stcu	3stcu	6.3	1sw	1sw	1sw	309.0	„	
17	5st	1cu	1cu	2.3	0	1sw	0	164.1	„	
18	1st	3ci	8ci	4.0	1w	1w	1w	313.8	„	
19	10cu	10cu	10ni	10.0	1sw	3sw	2sw	437.7	„	
20	10stcu	10ni	10stcu	10.0	0	2s	2sw	286.5	stormy	
21	10ni	10ni	10ni	10.0	3sw	5sw	4sw	516.6	„	
22	3cu	8cu	5cicu	5.3	5sw	2ne	2n	442.5	„	
23	10cicu	10ni	3cicu	7.7	0	1ne	0	127.1	slight	
24	5cicu	10cicu	6ni	7.0	0	0	0	98.2	light	
25	7stcu	4cu	3cu	4.7	0	1sw	1sw	218.0	slight	
26	1cu	1cu	1cu	1.0	0	1sw	1sw	230.1	mod.	
27	10stci	7cu	10ni	9.0	3s	3sw	3sw	486.0	„	th'rstorm in eve.
28	9ni	8cu	2cu	6.3	1sw	2sw	0	314.3	„	
29	9stcu	10ni	10ni	9.7	3sw	2sw	1sw	436.1	„	
30	8stcu	6cu	10ni	8.0	1sw	3sw	2sw	365.3	„	
31	10cu	10ni	10stcu	10.0	0	1nw	0	120.7	„	
				6.10	0.8	1.6	1.0	266.03		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	0	0	1	9	3	0	18
14:30	2	2	0	0	1	12	5	5	4
20:30	3	0	0	0	0	12	3	2	11
Totals	5	2	0	0	2	33	11	7	33

Number of days with rain 18, fog 0, thunderstorms 2, gales 0.

50-yr. average number of days with rain during month 13.4